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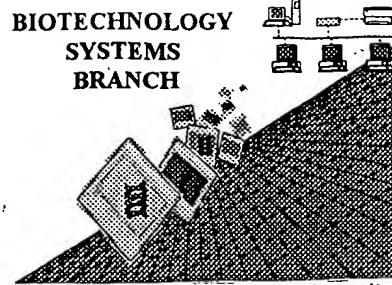
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512
C 280



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/756,097
Source: O/P/E
Date Processed by STIC: 1/15/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/756,097

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 Skipped Sequences (OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 Skipped Sequences (NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213> Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 Use of <220> Sequence(s) 92 missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. *← IMPORTANT*
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/756,097

DATE: 01/15/2002
TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt
Output Set: N:\CRF3\01152002\I756097.raw

*Dose Not Comply
Corrected Diskette Needed*

PP1-276

4 <110> APPLICANT: Mitchell, Lloyd G.
5 Garcia-Blanco, Mariano A.
6 Puttaraju, Madaiah
7 Mansfield, Gary S.
10 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR USE IN
11 SPLICEOSOME MEDIATED RNA TRANS-SPlicing IN PLANTS
14 <130> FILE REFERENCE: A31304-B-A-C 072874.0138
16 <140> CURRENT APPLICATION NUMBER: 09/756,097
17 <141> CURRENT FILING DATE: 2001-01-08
19 <150> PRIOR APPLICATION NUMBER: 09/158,863
20 <151> PRIOR FILING DATE: 1998-09-23
22 <150> PRIOR APPLICATION NUMBER: 09/133,717
23 <151> PRIOR FILING DATE: 1998-08-13
25 <150> PRIOR APPLICATION NUMBER: 09/087,233
26 <151> PRIOR FILING DATE: 1998-05-28
28 <150> PRIOR APPLICATION NUMBER: 08/766,354
29 <151> PRIOR FILING DATE: 1996-12-13
31 <150> PRIOR APPLICATION NUMBER: 60/008,317
32 <151> PRIOR FILING DATE: 1995-12-15
34 <160> NUMBER OF SEQ ID NOS: 105
36 <170> SOFTWARE: FastSEQ for Windows Version 4.0
38 <210> SEQ ID NO: 1
39 <211> LENGTH: 132
40 <212> TYPE: DNA
41 <213> ORGANISM: Homo sapien
43 <400> SEQUENCE: 1
44 caggggacgc accaaggatg gagatgttcc agggcgctga tgatgttgg tattttctt 60
45 aaatcttttg tgatggaaaa cttttcttcg taccacggga ctaaacctgg ttatgttagat 120
46 tccattcaaa aa 132
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 29
50 <212> TYPE: DNA
51 <213> ORGANISM: Corynebacterium diphtheriae
53 <400> SEQUENCE: 2
54 ggcgctgcag ggcgctgatg atgttgg 29
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 36
58 <212> TYPE: DNA
59 <213> ORGANISM: Corynebacterium diphtheriae
61 <400> SEQUENCE: 3
62 ggcgaagctt ggatccgaca cgatttcctg cacagg 36
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 68
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Oligonucleotide

*insufficient explanation - give source
of genetic material*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/756,097

DATE: 01/15/2002

TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

72 <400> SEQUENCE: 4
 73 aattctctag atgcttcacc cgggcctgac tcgagtacta actggtagcc cttcttttt 60
 74 ttcctgca 68
 76 <210> SEQ ID NO: 5
 77 <211> LENGTH: 60
 78 <212> TYPE: DNA
 79 <213> ORGANISM: Artificial Sequence
 81 <220> FEATURE:
 82 <223> OTHER INFORMATION: Oligonucleotide
 84 <400> SEQUENCE: 5
 85 gaaaaaaa gaagaggtac cagttgtac tcgagtcaagg cccgggtgaa gcatctagag 60
 88 <210> SEQ ID NO: 6
 89 <211> LENGTH: 24
 90 <212> TYPE: DNA
 91 <213> ORGANISM: Artificial Sequence
 93 <220> FEATURE:
 94 <223> OTHER INFORMATION: Oligonucleotide primer
 96 <400> SEQUENCE: 6
 97 tcgagcaacg ttataataat gttc 24
 99 <210> SEQ ID NO: 7
 100 <211> LENGTH: 24
 101 <212> TYPE: DNA
 102 <213> ORGANISM: Artificial Sequence
 104 <220> FEATURE:
 105 <223> OTHER INFORMATION: Oligonucleotide primer
 107 <400> SEQUENCE: 7
 108 tcgagaacat tattataacg ttgc 24
 110 <210> SEQ ID NO: 8
 111 <211> LENGTH: 35
 112 <212> TYPE: DNA
 113 <213> ORGANISM: Artificial Sequence
 115 <220> FEATURE:
 116 <223> OTHER INFORMATION: Oligonucleotide primer
 118 <400> SEQUENCE: 8
 119 aattctctag atcaggcccc ggtgaagcac tcgag 35
 121 <210> SEQ ID NO: 9
 122 <211> LENGTH: 25
 123 <212> TYPE: DNA
 124 <213> ORGANISM: Artificial Sequence
 126 <220> FEATURE:
 127 <223> OTHER INFORMATION: Oligonucleotide primer
 129 <400> SEQUENCE: 9
 130 tgcttcaccc gggcctgatc tagag 25
 132 <210> SEQ ID NO: 10
 133 <211> LENGTH: 18
 134 <212> TYPE: DNA
 135 <213> ORGANISM: Homo sapien
 137 <400> SEQUENCE: 10
 138 tgcttcaccc gggcctgaa 18

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/756,097

DATE: 01/15/2002

TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

140 <210> SEQ ID NO: 11
 141 <211> LENGTH: 16
 142 <212> TYPE: DNA
 143 <213> ORGANISM: Homo sapien
 145 <400> SEQUENCE: 11
 146 ctcttctttt ttttcc 16
 148 <210> SEQ ID NO: 12
 149 <211> LENGTH: 18
 150 <212> TYPE: DNA
 151 <213> ORGANISM: Homo sapien
 153 <400> SEQUENCE: 12
 154 caacgttata ataatgtt 18
 156 <210> SEQ ID NO: 13
 157 <211> LENGTH: 16
 158 <212> TYPE: DNA
 159 <213> ORGANISM: Homo sapien
 161 <400> SEQUENCE: 13
 162 ctgtgattaa tagcgg 16
 164 <210> SEQ ID NO: 14
 165 <211> LENGTH: 16
 166 <212> TYPE: DNA
 167 <213> ORGANISM: Homo sapien
 169 <400> SEQUENCE: 14
 170 cctggacgcg gaagtt 16
 172 <210> SEQ ID NO: 15
 173 <211> LENGTH: 51
 174 <212> TYPE: DNA
 175 <213> ORGANISM: Homo sapien
 177 <400> SEQUENCE: 15
 178 ctgggacaag gacactgctt cacccggtaa gtagaccaca gccctgaagc c 51
 180 <210> SEQ ID NO: 16
 181 <211> LENGTH: 17
 182 <212> TYPE: DNA
 183 <213> ORGANISM: Homo sapien
 185 <400> SEQUENCE: 16
 186 cttctgtttt ttttctc 17
 188 <210> SEQ ID NO: 17
 189 <211> LENGTH: 16
 190 <212> TYPE: DNA
 191 <213> ORGANISM: Homo sapien
 193 <400> SEQUENCE: 17
 194 cttctgtatt attctc 16
 196 <210> SEQ ID NO: 18
 197 <211> LENGTH: 16
 198 <212> TYPE: DNA
 199 <213> ORGANISM: Homo sapien
 201 <400> SEQUENCE: 18
 202 gttctgtcct tgtctc 16
 204 <210> SEQ ID NO: 19

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/756,097

DATE: 01/15/2002

TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

205 <211> LENGTH: 29
 206 <212> TYPE: DNA
 207 <213> ORGANISM: Corynebacterium diphtheriae
 209 <400> SEQUENCE: 19
 210 ggcgctgcag ggcgctgatg atgttggatg 29
 212 <210> SEQ ID NO: 20
 213 <211> LENGTH: 36
 214 <212> TYPE: DNA
 215 <213> ORGANISM: Corynebacterium diphtheriae
 217 <400> SEQUENCE: 20
 218 ggcaagctt ggatccgaca cgatttcctg cacagg 36
 220 <210> SEQ ID NO: 21
 221 <211> LENGTH: 21
 222 <212> TYPE: DNA
 223 <213> ORGANISM: Corynebacterium diphtheriae
 225 <400> SEQUENCE: 21
 226 catcgatata atttccttgt g 21
 228 <210> SEQ ID NO: 22
 229 <211> LENGTH: 20
 230 <212> TYPE: DNA
 231 <213> ORGANISM: Corynebacterium diphtheriae
 233 <400> SEQUENCE: 22
 234 atggaatcta cataaccagg 20
 236 <210> SEQ ID NO: 23
 237 <211> LENGTH: 20
 238 <212> TYPE: DNA
 239 <213> ORGANISM: Corynebacterium diphtheriae
 241 <400> SEQUENCE: 23
 242 gaaggcgttag cactacacgc 20
 244 <210> SEQ ID NO: 24
 245 <211> LENGTH: 20
 246 <212> TYPE: DNA
 247 <213> ORGANISM: Homo sapien
 249 <400> SEQUENCE: 24
 250 cggcacccgtg gccgaagtgg 20
 252 <210> SEQ ID NO: 25
 253 <211> LENGTH: 30
 254 <212> TYPE: DNA
 255 <213> ORGANISM: Homo sapien
 257 <400> SEQUENCE: 25
 258 accggaattc atgaagccag gtacaccagg 30
 260 <210> SEQ ID NO: 26
 261 <211> LENGTH: 20
 262 <212> TYPE: DNA
 263 <213> ORGANISM: Homo sapien
 265 <400> SEQUENCE: 26
 266 gggcaagggtg aacgtggatg 20
 268 <210> SEQ ID NO: 27
 269 <211> LENGTH: 19

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/756,097

DATE: 01/15/2002

TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

270 <212> TYPE: DNA
 271 <213> ORGANISM: Homo sapien
 273 <400> SEQUENCE: 27 19
 274 atcaggagtg gacagatcc
 276 <210> SEQ ID NO: 28
 277 <211> LENGTH: 39
 278 <212> TYPE: DNA
 279 <213> ORGANISM: Artificial Sequence
 281 <220> FEATURE:
 282 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
 283 Escherichia coli lacZ gene
 285 <400> SEQUENCE: 28 39
 286 gcatgaattc ggtaccatgg gggggttctc atcatcatc
 288 <210> SEQ ID NO: 29
 289 <211> LENGTH: 36 39
 290 <212> TYPE: DNA
 291 <213> ORGANISM: Artificial Sequence
 293 <220> FEATURE:
 294 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
 295 Escherichia coli lacZ gene
 297 <400> SEQUENCE: 29 36
 298 ctgaggatcc tcttacctgt aaacgccccat actgac
 300 <210> SEQ ID NO: 30
 301 <211> LENGTH: 38
 302 <212> TYPE: DNA
 303 <213> ORGANISM: Artificial Sequence
 305 <220> FEATURE:
 306 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
 307 Escherichia coli lacZ gene
 309 <400> SEQUENCE: 30
 310 gcatggtaac cctgcagggc ggcttcgtct gggactgg 38
 312 <210> SEQ ID NO: 31
 313 <211> LENGTH: 38
 314 <212> TYPE: DNA
 315 <213> ORGANISM: Artificial Sequence
 317 <220> FEATURE:
 318 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
 319 Escherichia coli lacZ gene
 321 <400> SEQUENCE: 31 38
 322 ctgaaagctt gttaaccttat tatttttgc accagacc
 324 <210> SEQ ID NO: 32
 325 <211> LENGTH: 47
 326 <212> TYPE: DNA
 327 <213> ORGANISM: Artificial Sequence
 329 <220> FEATURE:
 330 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
 331 Escherichia coli lacZ gene
 333 <400> SEQUENCE: 32
 334 gcatggtaac cctgcagggc ggcttcgtct aataatggga ctgggtg 47

09/09/097

6

<210> 91
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide *insufficient*

<400> 91
gtcagttgga ggaggacatc tccaa^{gtt}tg

30

<210> 92
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 92

see item 11 on Exam Summary Sheet

PSI

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY DATE: 01/15/2002
PATENT APPLICATION: US/09/756,097 TIME: 15:33:40

Input Set : A:\09756097SEQUENCELISTING.txt
Output Set: N:\CRF3\01152002\I756097.raw

L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1030 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:1030 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: